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1970 Commencement for Jefferson Medical College and College of Graduate Studies

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146th
COMMENCEMENT



*Jefferson Medical College
and
College of Graduate Studies
of
Thomas Jefferson University*

1824-1970

*Friday, June Fifth
Nineteen Hundred and Seventy
Half Past Ten O'clock*

The Academy of Music

PROCESSIONAL Trumpet Voluntary JOHN STANLEY
Trumpet Voluntary in D PURCELL

THE NATIONAL ANTHEM

INVOCATION REVEREND VINCENT M. WALSH, J.C.D.
Chaplain of Pasteur Society

CONVOCATION
Opening Remarks PETER A. HERBUT, *President*

CONFERRAL OF DEGREES IN COURSE PRESIDENT HERBUT
Doctor of Philosophy
Presented by ROBERT C. BALDRIDGE, *Dean*
College of Graduate Studies

Doctor of Medicine
Presented by WILLIAM F. KELLOW, *Dean and Vice President*
Jefferson Medical College

The Oath of Hippocrates GONZALO E. APONTE, *Professor of Pathology*
and Chairman of the Department

Master of Science
Presented by DEAN BALDRIDGE

CONFERRING OF HONORARY DEGREES PRESIDENT HERBUT

Doctor of Laws

JAMES M. LARGE, *Chairman of the Board of Trustees*
Presented by: WILLIAM W. BODINE, JR., *Life Trustee and former President*, Jefferson Medical College
EDWARD L. BAUER, *Emeritus Professor of Pediatrics*, Jefferson Medical College
Presented by: BALDWIN L. KEYES, *Emeritus Professor of Psychiatry*, Jefferson Medical College

Doctor of Science

W. LAURENCE LePAGE, *Chairman of the Board*, The Franklin Institute
Presented by: BRANDON BARRINGER, *Life Trustee*
MICHAEL HEIDELBERGER, *Adjunct Professor of Pathology (Immunology)*, New York University School of Medicine
Presented by: PAUL H. MAURER, *Professor of Biochemistry and Chairman of the Department*

Doctor of Humane Letters

THE HONORABLE HUGH SCOTT, *United States Senator*, The Commonwealth of Pennsylvania
Presented by: JAMES M. LARGE, *Chairman of the Board of Trustees*

ADDRESS THE HONORABLE HUGH SCOTT

BENEDICTION REVEREND VINCENT M. WALSH, J.C.D.

RECESSIONAL Pomp and Circumstance ELGAR

W. ERNEST WELLS, *Organist*

Marshal
ANDREW J. RAMSAY

Faculty Marshals
FRANCIS J. SWEENEY, JR. CHARLES P. KRAATZ SAMUEL S. CONLY, JR.

Student Marshals
JAMES EDWARD BARONE UWE KOEPKE

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 4, 1970

The Christian R. and Mary F. Lindback Awards for Distinguished Teaching to ANTHONY F. DePALMA, M.D., Professor of Orthopedic Surgery and JOHN RAYMOND SHEA, JR., B.S. (Biol.), M.Sc., Ph.D., Assistant Professor of Anatomy.

The Charles Labelle Prize. Given by Mrs. LaBelle and family in memory of her husband Charles W. Labelle, Ph.D., Assistant Professor of Preventive Medicine (Environmental Hygiene to an outstanding candidate for the degree of Doctor of Philosophy, to
HUGH JAMES CALLAHAN

The Albert Strickler Memorial Prize. To be given annually by Mrs. Albert Strickler to a Senior Student for the best essay on Cancer, to
ARIS MICHAEL SOPHOCLES, JR.

The Henry M. Phillips Prize. Awarded upon the recommendation of the Professor of Medicine to the graduate, in his opinion, most worthy, to
ROBERT CHARLES KANE
With Honorable Mention of: ARLENE RITTWEILER ANDERSON

The Henry M. Phillips Prize. Awarded upon the recommendation of the Professor of Surgery to the graduate, in his opinion, most worthy, to
MARIE VINCENZA OLIVIERI
With Honorable Mention of: ROBERT CHARLES KANE

Surgery Prize. A Gold Medal, awarded by bequest of Dr. Francis W. Shain, for the best essay on a subject pertaining to the Practice of Surgery to
ARIS MICHAEL SOPHOCLES, JR.

Clinical Surgery Prize. A Gold Medal for general excellence in Clinical Surgery, in memory of Francis Torrens Stewart, Professor of Clinical Surgery, the Jefferson Medical College, 1910-1920, to
JOSEPH WEBSTER STAYMAN, III
With Honorable Mention of: JOHN ANTHONY KLINE

Gynecology Prize. In memory of Professor of Obstetrics and Gynecology, Emeritus, Lewis C. Scheffey, M.D., to be given annually by Mrs. Albert Strickler, to a Senior Student, for the best examination, thesis and general excellence in Gynecology, to
JAMES MARK NEUBECK

Orthopedic Surgery Prize. By Professor Anthony F. DePalma, M.D., for general excellence in Orthopedic Surgery, to
CARL FERDINAND WOLFER
With Honorable Mention of: JAMES NORWELL NUTT

Urology Prize. Given by Mrs. Fetter, in memory of Dr. Theodore R. Fetter, The Nathan Lewis Hatfield Professor of Urology during the Junior and Senior Years, including preparation of reports of in and out patients, examinations and final summary of work in Urology, to
DAVID BIDDLE

The Edward J. Moore Memorial Prize in Pediatrics. Given in memory of Edward J. Moore, M.D., to the Senior Student demonstrating the greatest aptitude in Pediatrics, to
MICHAEL KEVIN FARRELL

The Henry Keller Mohler Memorial Prize. Given by Mr. Jesse Hubschman in memory of his wife, Natalie to honor Henry Keller Mohler, M.D., to the Senior Student manifesting the greatest aptitude and interest in the general field of Therapeutics, to
RICHARD DRAKE DAVENPORT
With Honorable Mention of: RICHARD HOWARD GOODWIN, JR.

The Lowell Ashton Erf Prize. Given by Mrs. Erf in memory of her husband, Lowell Ashton Erf, M.D., to the Senior Student demonstrating seriousness of purpose, aptitude and ability in the field of Medicine, to
MARIE VINCENZA OLIVIERI
With Honorable Mention of: SARAH SUNDBORG LONG

Psychiatry Prize. To the Senior Student writing the best thesis on Psychiatry to
RICHARD ELIOT MARTIN
With Honorable Mention of: BARBARA BLOFSTEIN

S. MacCuen Smith Memorial Prize. A Gold Medal given by Mrs. Stuart Lodge Bullivant in memory of her father to the member of the Senior Class judged most worthy of recognition for ability in the field of Otolaryngology, to

CHARLES ROBERT SCHLEIFER
With Honorable Mention of: WILLIAM JOHN LEWIS

The Carroll R. Mullen Memorial Prize in Ophthalmology. This award is given annually to the Senior Student who has received the highest grade in Ophthalmology, to
RICHARD DRAKE DAVENPORT

Obstetrics and Gynecology Prize. In Honor of Professor of Obstetrics and Gynecology, Emeritus, John B. Montgomery, M.D., to be given annually by Mrs. Sarah George Miller, to a Senior Student, for the best examination, thesis and general excellence in Obstetrics and Gynecology during the entire curriculum, to
JOHN WINSLOW CARLTON

The Leandro M. Tocantins Memorial Prize. Given by Mr. and Mrs. Milton Hubschman to the Senior Student manifesting the greatest aptitude and interest in the field of Hematology, to
HOWARD DAVID TOFF

The Baldwin L. Keyes Prize in Psychiatry. In Honor of Professor of Psychiatry, Baldwin L. Keyes, M.D., Sc.D., Emeritus, given annually by Mr. and Mrs. Joseph H. Levit to the Senior Student considered most worthy by the Department of Psychiatry, to

ROBERT JOHN MALOVANY
With Honorable Mention of: MARIE VINCENZA OLIVIERI

William Potter Memorial Prize. The income from a bequest of Mrs. Adaline Potter Wear, offered to encourage excellence in the clinical branches of medicine and awarded to that graduate attaining the highest general average in the final two years of the medical course, to
LARRY STEVEN COHEN

Alumni Prize. By the Alumni Association, a Medal for highest cumulative academic record, to
MARIE VINCENZA OLIVIERI

Louis B. Swisher, Jr. Memorial Prize. Awarded upon the recommendation of the Professor of Anesthesiology to a Senior Student who has shown general excellence in the field of Anesthesiology, to
JUDITH PARKER SCHWARTZ

The Lange Medical Publications Prizes. A gift of four Lange Publications books to each of two outstanding Senior Students, to
CHARLES ALBERT WALTERS and JOSEPH ALBERT COMFORT, JR.

W. B. Saunders Company Prize. Medical Publications to the student who has attained the highest scholastic average for the Senior Year, to
RICHARD HOWARD GOODWIN, JR.

The C. V. Mosby Company Prizes. Awarded to five outstanding graduates.

JAMES ROBERT LaMORGESE, JR. RONALD A. LEFF
MARTIN ALAN TOBEY ARLENE RITTWEILER ANDERSON
JOHN FRANCIS McCORMICK

The Richard W. Foster Prize. A prize to be given to an outstanding student for the purchase of books at the Rittenhouse Book Store, to
WILLIAM EDWARD NOLLER

Upjohn Achievement Award. To be given to a Senior Medical Student who shows outstanding all-around achievement in Clinical proficiency, to
MARIE VINCENZA OLIVIERI

Janet M. Glasgow Memorial Scholarship Award of the American Medical Women's Association, Inc., awarded to the woman who is first in her class,
MARIE VINCENZA OLIVIERI

DOCTOR OF LAWS—JAMES M. LARGE

James M. Large was born in Philadelphia and graduated from Princeton University. He immediately embarked upon a career in commercial banking in Philadelphia with the Trademans National Bank where he rose to the position of President. This institution merged with the Land Title and Trust Company and subsequently with the Provident Trust Company to become the Provident National Bank. Mr. Large was elected and remained Chairman of the Board during and after these corporate mergers. He retired as Chairman in June 1969, but continues as a member of the Board of Provident National Bank.

Mr. Large is also a member of the Boards of numerous corporations and civic organizations including the Fidelity Mutual Life Insurance Company, The Commonwealth Land Title Insurance Company, E.S.B. Inc., the Philadelphia Saving Fund Society, and the Crime Commission of Philadelphia. He served as Co-Chairman of the 1956 United Community Campaign.

Early in life he became interested in the arts and humanities and devoted considerable energy and time to them as Vice President and Director of the Pennsylvania Academy of Fine Arts and as Chairman of the Board of Trustees of the Moore College of Art. The latter institution conferred the honorary degree of Doctor of Humanities upon him.

His profound knowledge of the financial world and his interest in education provoked an invitation in 1950 to become a Life Trustee of Jefferson Medical College. He developed a deep allegiance to the College and has served her well as Chairman of the College Committee and particularly as Chairman of the Board (1962 to 1970). He will retire as Chairman of the Board of Thomas Jefferson University on June 30, 1970.

Mr. Large developed many avocations during his life, but two are most important to him—the Philadelphia Zoo and the United States Navy. He has had a deep interest in ecology and for many years has served as a Director of the Zoological Society of Philadelphia. His active service in the United States Navy began early in World War II when he served on the U.S.S. Princeton throughout her active career and was aboard at the time of her sinking. Subsequently he was awarded the Silver Star for his conduct in attempting to salvage the vessel, and the Purple Heart for wounds received in action. He later served in the new U.S.S. Princeton. Mr. Large holds the rank of Captain, United States Naval Reserve, (Retired).

Presented by William W. Bodine, Jr. Life Trustee and former President, Jefferson Medical College

DOCTOR OF LAWS—EDWARD L. BAUER

Edward L. Bauer was born and raised in Philadelphia and received his preliminary and undergraduate education in this city's schools. His family had a long and distinguished tradition in medicine, there being seven physicians in the family, four of whom graduated from Jefferson Medical College.

Dr. Bauer received his medical degree from Jefferson in 1914 and interned at the Germantown Dispensary and Hospital. Following this he embarked on a life of service to children and spent his early years as a resident physician at the Children's Seashore House in Atlantic City, the Philadelphia Hospital for Contagious Diseases, and the Mary J. Drexel Home.

Shortly after completion of his training, he introduced into Philadelphia and Pennsylvania modern methods for immunizing children against diphtheria. This work brought about the control of this disease both in the city and the state.

Dr. Bauer was appointed Professor of Pediatrics and Head of the Department at Jefferson Medical College on June 1, 1926. During his career he made over 300 contributions to the pediatric literature, particularly in the field of infectious diseases. He has been a consultant to many institutions and government agencies such as the Commonwealth Foundation, the Department of Health of West Virginia, the Certified Milk Commission of Pennsylvania, and the Pennsylvania State Commission on Maternal and Child Care. He has been a member of the medical staff of almost every children's health care institution in Philadelphia. His name has appeared on the rolls of the Philadelphia General Hospital, St. Christopher's Hospital for Children, the Shriner's Hospital, and many others. One, however, has been most important and rewarding to him. From 1934 to 1958 he served as Medical Director of Girard College where he helped mold the lives of scores of young men.

A dedicated and respected alumnus, he served as President of the Alumni Association of Jefferson Medical College in 1941-42. Following his retirement in 1958, he researched and wrote a history of Jefferson Medical College—the first written since the turn of the century. The work entitled, "Doctors Made in America" was dedicated to his students who will be forever grateful to him for his many efforts in medicine.

Presented by Baldwin L. Keyes, Emeritus Professor of Psychiatry, Jefferson Medical College

DOCTOR OF SCIENCE—WYNN LAURENCE LEPAGE

A native of London, England, W. Laurence LePage was educated at the Bailles School in London, St. Paul's School in Kensington, and at the Institute of Aeronautical Engineering of the Imperial College of Science, London University. His early interest in the science of aerodynamics led to fundamental and theoretical researches at the National Physical Laboratory, Teddington, where he developed the Tandem Wing Flap currently used on modern jet airliners. He continued his researches at the Eiffel Aeronautical Laboratory in Paris and Massachusetts Institute of Technology, and in 1925, became editor of AVIATION, in the United States.

As Executive Engineer at Pitcairn Aviation, Inc., he was a pioneer in air mail, and brought the first autogiro to this country. As Chief Engineer and Vice President in Charge of Engineering of the Kellett Autogiro Corporation he designed the first autogiro officially flight tested by the United States Army, as well as the autogiro Admiral Byrd used at the South Pole (1931). As consulting Aeronautical Engineer in Philadelphia he designed the first transport autogiro and assisted in designing the first light weight stainless steel railroad and subway trains. Doctor LePage organized the Platt-LePage Aircraft Company and the Rotary Research Corporation, becoming President and Chief Engineer of the former, President of the latter, while designing and building the first military helicopter for the Army Air Force.

A founder and chairman of the Board of Delaware Valley Educational Television Corporation, he became Executive Director of Educational Station WHYY-TV & FM. He joined the Board of Managers of The Franklin Institute in 1953, became President and Chief Executive Officer and, since 1967, Chairman of its Board of Managers.

In addition to his distinguished service in aeronautics, astronautics, and automotive engineering Doctor LePage has contributed richly to civic and educational activities, acting also in advisory capacities to the City of Philadelphia and our State and as Director of the Center for Naval Analyses in Washington, D.C. He has published extensively on theoretical and practical aerodynamics based on his scholarly researches and on his broad knowledge and experience in aviation matters.

He has received many honors, including that of Associate Fellow of the Royal Aeronautical Society, Commander of the Most Excellent Order of the British Empire, Citizen of the Year (Delaware Valley Council), the National Americanism Medal of the National Society of the Daughters of the American Revolution for his distinguished record as a naturalized (1941) American Citizen, and the Doctor of Engineering degree, Honoris Causa, from Lehigh University.

Presented by: Brandon Barringer, Life Trustee

DOCTOR OF SCIENCE—MICHAEL HEIDELBERGER

Born in 1888 and educated in New York City, Michael Heidelberg received the B.S., A.M. and Ph.D. degrees from Columbia University. After study in Zurich his professional career began in 1912 at The Rockefeller Institute for Medical Research where he rose to Associate Member and continued until 1927 when he spent one year at Mount Sinai Hospital, then he returned to Columbia where he advanced to the ranks of Professor of Biochemistry and Professor of Immunochimistry, receiving the honor of Emeritus Professor of Immunochimistry in 1956. His retirement from Columbia initiated a renewal of his professional career as Visiting Professor of Immunochimistry at the Institute of Microbiology at Rutgers University. In 1964 he was appointed to his present position of Adjunct Professor of Pathology (Immunology) at New York University School of Medicine. As elder statesman and world leader in his field he served as Consultant to the Secretary of War in World War II and at present advises the World Health Organization.

Michael Heidelberg's scientific contributions in biochemistry, microbiology, immunology, medicine and allergy have won memberships in all significant national and international societies in these fields. He has been honored many times for his pioneering and persistent efforts resulting in the establishment of the discipline of quantitative immunochimistry and its approach to measurements of antigens, antibodies, complement and their interactions, and the application of these procedures to solving problems as varied as immunological diseases and the structures of polysaccharides and proteins. Recipient of many honorary Doctorates of Science and of Medicine he has been recognized by foreign governments with the Chevalier, Légion d'Honneur of France; the Leopold II Award from Belgium for establishing the cure of African sleeping sickness; the Pasteur Medal from the Swedish Medical Society; and the Bronze Medal of the City of Paris. Honors in our country include the Ehrlich Silver Medal, the Albert Lasker Award, the T. Duckett Jones Award, and the National Medal of Congress.

Michael Heidelberg is internationally renowned also for the personal direction, influence, and guidance he continues to give to his former medical and graduate students in immunology and immunochimistry. By example, he has shown that the scientist cannot isolate himself from the political and social issues of the day. A dedicated scientist and teacher, talented musician and the proud father of Professor Charles Heidelberg, Michael Heidelberg is proving that the individual scientist can still accomplish much in an age of "big science."

Presented by: Paul H. Maurer, *Professor of Biochemistry and Chairman of the Department*

DOCTOR OF HUMANE LETTERS—HUGH SCOTT

The Honorable Hugh Scott, a confidant of Presidents and the Leader of his Party in the United States Senate, became a serious student of American history and politics at the age of thirteen and has been involved creatively in National Republican politics for more than two decades, first as an 8-term member of the House of Representatives, and as a United States Senator, since 1958. A brilliant student, with Phi Beta Kappa honors, he was educated at the University of Pennsylvania, Randolph-Macon College (A.B., 1919), the University of Virginia (LL.B., 1922) at Oxford and in the greatest of the universities without walls, American politics and public service.

As a lawyer he is known for his perceptiveness, his gentle humor and his skillful advocacy for just causes. Presently he is Counsel to the firm of Obermayer, Rebmann, Maxwell and Hippel, and is a member of the Philadelphia, Pennsylvania, and American Bar Associations. Senator Scott is also a student of human culture, his several books and many articles on varied subjects, including art, American politics, and law demonstrate the breadth and depth of his personal interests.

Senator Scott served his Country in World War II in the Merchant Marine and Navy, now holding the rank of Captain, United States Naval Reserve, Retired. He saw active service with the North Atlantic Patrol, Occupation of Iceland, the Pacific area, and in the Occupation of Japan. He also served temporary duty in the Korean War. For valor in these conflicts he holds, among other awards, the Navy Commendation Medal; Philippine Liberation Medal; Commander, Royal Order of Phoenix (Greece); Grand Cross, Order of El Quezal (Guatemala); the Order of Merit, First Class (Republic of Korea).

For his extraordinary contributions to American institutions he has been awarded twenty-two honorary degrees. He has also received many distinguished service awards for his creative activities in educational, civic, religious, press, and veterans organizations, local, State and National. He continues his active interest in significant youth organizations and is providing many essential cultural and educational organizations with leadership as a member of their boards of regents and trustees.

Senator Hugh Scott stands as a pillar of strength in his Nation during these troubled times when intelligent analyses and responsible actions are essential.

Presented by: James M. Large, *Chairman of the Board of Trustees*

THE ACADEMIC COSTUME

The wearing of academic dress dates back to the early days of the oldest universities in the world. In the American Council on Education's book entitled "American Universities and Colleges" it is suggested that "gowns may have been counted necessary for warmth in the unheated buildings frequented by medieval scholars. Hoods seem to have served to cover the tonsured head . . ."

Throughout the years European universities have continued to show great diversity in their academic dress. American universities, on the other hand, when they decided to adopt academic dress about fifty years ago, immediately established a code of regulations which today is followed by almost all American institutions. The establishment of this code has made it possible to distinguish the Bachelors, Masters, and Doctors and at the same time recognize the university which has given them the degree.

The Bachelor's gown has pointed sleeves and is worn closed. The Master's gown has oblong sleeves, open at the wrist. The rear part of its oblong shape is square cut and the front part has an arc cut away, and is worn open or closed. The Doctor's gown has bell-shaped sleeves. It is worn opened or closed. Cotton poplin or similar material is used for the Bachelor's and Master's degrees, and rayon or silk ribbed material is used for the Doctor's degree.

The hoods vary in length: 48 inches for the Doctor's degree, 42 inches for the Master's, and 36 inches for the Bachelor's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are shown in divisions using chevrons. The binding or edge of the hood is usually made of velvet in the color designating the subject in which the degree was granted.

Black motorboards are worn for all degrees.

Some of the colors in the bindings of the hoods are:

white Arts and Letters
lilac Dentistry
light blue Education
green Medicine
apricot Nursing

olive green Pharmacy
dark blue Philosophy
salmon pink Public Health
golden yellow Science

The colors of the linings of the hoods for some Philadelphia medical institutions are:

red and blue University of Pennsylvania
blue and white Philadelphia College of
Pharmacy and Science
black and blue Jefferson Medical College
blue and gold Hahnemann Medical College
silver gray and scarlet Woman's Medical College
white and cherry Temple University

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- HUGH JAMES CALLAHAN (Biochemistry) Bellmawr, N. J.
Thesis: "Immunochemical Characterization of the Antigenic Determinant of a Synthetic Polypeptide."
- GERARD JOHN MCGARRITY (Microbiology) Whitman Square, N. J.
Thesis: "Reduction of Airborne Infection in an Animal Laboratory by Low Velocity Laminar Airflow."
- RICHARD HENRY CONKLIN, M.D. (Pathology) Syracuse, N. Y.
Thesis: "The Effects of Puromycin and Actinomycin D on the Acid Phosphatase and 5'-Nucleotidase of the HeLa cell." (In Absentia)
- STEVEN WILLIAM BASS (Pharmacology) Philadelphia, Pa.
Thesis: "The Effect of DDT on the Toxicity and Metabolism of Parathion in Mice."
- LOUIS SAMUEL GROSSO (Pharmacology) Springfield, Pa.
Thesis: "Factors that may Influence the Detoxification of p-Nitrobenzoic Acid."
- MICHAEL ALAN HOSPADOR (Pharmacology) Prospect Park, Pa.
Thesis: "Influence of Age and Diet on the Induction of Hexobarbital-metabolizing Enzymes in the Mouse."
- EUN WOO LEE (Pharmacology) Seoul, Korea
Thesis: "Studies on Triose Phosphate Isomerase."
- FUMIKO UZUKI SAITO (Pharmacology) Chiba, Japan
Thesis: "Effect of Benzene on Liver Metabolism and Ultrastructure." (In Absentia)
- ALAN LEE SUMMERS (Physiology—Biomedical Engineering) Philadelphia, Pa.
Thesis: "Negative Resistance to Flow in the Vena Cava."
- MARTIN WEINBERG (Physiology) Fresh Meadows, N. Y.
Thesis: "The Location of an Intrapulmonary Oxygen Receptor."

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- STEPHEN EDWARD ABRAM Beachwood, Ohio
- ARLENE RITTWEILER ANDERSON Newtown Square, Pa.
- GEORGE W. ANSTADT Allenwood, Pa.
- JOHN ANTHONY AZZATO Upper Darby, Pa.
- WILLIAM JOSEPH BAINBRIDGE Paoli, Pa.
- EDWARD JOHN BARYLAK Philadelphia, Pa.
- THOMAS LEROY BAXTER, III Lower Burrell, Pa.
- BRUCE ALAN BERGER Philadelphia, Pa.
- LAWRENCE FRANCIS BERLEY Media, Pa.
- RICHARD LOUIS BERNINI Allentown, Pa.
- GERALD STUART BESSER Philadelphia, Pa.
- DAVID BIDDLE Cheltenham, Pa.
- BARBARA BLOFSTEIN Philadelphia, Pa.
- WILLIAM DAVID BLOOMER Rosemont, Pa.
- RONALD IRA BLUM Reading, Pa.
- EDWARD BIRCH BOWER Wyomissing, Pa.
- JOHN WILLIAM BRECKENRIDGE Jenkintown, Pa.
- JOSEPH ALOYSIUS BRESLIN, JR. Drexel Hill, Pa.
- HARVEY NEIL BROWN Woodbury, L. I., N. Y.
- JOHN WINSLOW CARLTON Gladwyne, Pa.
- JAMES BYRON CARTY, JR. Bryn Mawr, Pa.
- LEONARD JOHN CERULLO Hazleton, Pa.
- RICHARD HOWARD CHARNEY Philadelphia, Pa.
- MICHAEL CLANCY Philadelphia, Pa.
- LARRY STEVEN COHEN Philadelphia, Pa.
- JOSEPH ALBERT COMFORT, JR. Haddonfield, N. J.
- THOMAS ROWAN CONNELLY Fayette City, Pa.
- ROBERT WALTER COX Easton, Md.
- RICHARD DRAKE DAVENPORT Evanston, Ill.
- ALLEN BERNARD DAVIS Rego Park, N. Y.
- THOMAS JAMES DEVERS Ardmore, Pa.
- JOHN FRANCIS DMOCHOWSKI Riverside, N. J.
- PAUL HOWARD DOUGLASS Philadelphia, Pa.
- JAMES HOWARD DOVNARSKY Harrisburg, Pa.
- MICHAEL DAVID ELLIS Huntingdon Valley, Pa.
- MICHAEL KEVIN FARRELL Philadelphia, Pa.
- RICHARD M. FELDMAN New York, N. Y.
- JOSEPH SAUL FISHER Philadelphia, Pa.
- JAMES W. FOX, IV Drexel Hill, Pa.
- ALLAN PERRY FREEDMAN Philadelphia, Pa.
- LOUIS ARTHUR FREEMAN West Hartford, Conn.
- CHARLES MORRIS FURR Philadelphia, Pa.
- ALAN MATHEWS GARDNER Wallingford, Pa.
- PHILIP HENRY GEETTER West Hartford, Conn.
- JAMES MARSHALL GERSON Pittsburgh, Pa.
- BRUCE STEPHEN GINGOLD Astoria, N. Y.
- STEPHEN CARL GLASSBERG Forest Hills, N. Y.
- CHRISTIA BRACKEN GOEGGEL St. Thomas, Virgin Islands
- ALAN MARK GOLD Pittsburgh, Pa.
- HOWARD GOLDMAN Tonawanda, N. Y.
- LAURENCE GOLDSTEIN Harrisburg, Pa.
- RICHARD HOWARD GOODWIN, JR. Haddonfield, N. J.
- ALAN JAY GREEN Brooklyn, N. Y.
- DOUGLAS BERIAH HAGEN Ledyard, Conn.
- FREDERICK EUGENE HAMPF, JR. Springfield, Pa.
- IRWIN INGWER New Rochelle, N. Y.
- GEORGE ISAJIW Philadelphia, Pa.
- BERTRAM LEE JOHNSON, JR. Broomall, Pa.
- ROBERT PHILIP JOHNSON Philadelphia, Pa.
- WILLIAM WHITING JUDSON Bryn Mawr, Pa.
- ROBERT CHARLES KANE Norristown, Pa.
- PAUL DAVID KAUTZ Apollo, Pa.
- THOMAS RICHARD KAY Lindenwald, N. J.
- WILLIAM AUBREY KEEL Hershey, Pa.
- WAYNE MARK KEISERMAN Philadelphia, Pa.
- JAMES WILLIS KENDIG Salunga, Pa.
- ROSE MARY KENNY Philadelphia, Pa.
- GEORGE W. KERN, IV Philadelphia, Pa.
- GEORGE HENRY KERSHNER West Lawn, Pa.
- MARILYN PRUSS KERSHNER Pennsauken, N. J.
- STEVEN ANDREW KLEIN New York, N. Y.
- JAMES MICHAEL KLINK West Reading, Pa.
- JOHN ANTHONY KLINE Newark, N. J.
- WILLIAM CLARK LAMBERT Henderson, Ky.

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

JAMES ROBERT LAMORGESESouth Orange, N. J.
 EDWARD MICHAEL LASKAWallingford, Pa.
 MICHAEL DAVID LAURIATerre Hill, Pa.
 RONALD A. LEFFMillburn, N. J.
 HARVEY BENNETT LEFTONShaker Heights, Ohio
 WILLIAM JOHN LEWISMcKeesport, Pa.
 WILLIAM GERARD LIEKWEG, JR.Alexandria, Va.
 DAVID IRWIN LINTZSwedesboro, N. J.
 THEODORE C. M. LOPiper's Hill, Hong Kong
 NORMAN GARY LOBERANTBronx, N. Y.
 SARAH SUNDBORG LONGWashington, D. C.
 ROBERT MALCOLM LUMISHPhiladelphia, Pa.
 BARRY JAY MAKEBroomall, Pa.
 SETH A. MALINBridgeport, Conn.
 ROBERT JOHN MALOVANYPhiladelphia, Pa.
 PAUL CORNELIUS MARSHALLPottstown, Pa.
 RICHARD ELIOT MARTINWyncote, Pa.
 JOHN TIMOTHY MARTSOLFBeaver Falls, Pa.
 JOHN RICHARD MCCLOSKEYPhiladelphia, Pa.
 JOHN FRANCIS MCCORMICKSpringfield, Mass.
 JAMES BERNARD MCGOVERN, JR.Drexel Hill, Pa.
 ROGERS DUBOSE McLANEState College, Pa.
 STEVEN ALLEN MERSKYPhiladelphia, Pa.
 FRED ALBERT METTLER, JR.Blairstown, N. J.
 JACQUELYN KAY MILLERPhiladelphia, Pa.
 JOSEPH AUSTIN MILLERSouth Orange, N. J.
 LAWRENCE STUART MILLERPhiladelphia, Pa.
 PHILIP TERRY MINERPittsburgh, Pa.
 ALFRED MATTHEW MONKOWSKIWallington, N. J.
 JOHN BRADFORD MONROEDarien, Conn.
 WILLIAM MASSIE MURRAYCamp Hill, Pa.
 LARRY STEWART MYERSLancaster, Pa.
 RICHARD LLOYD NEMIROFFOradell, N. J.
 JAMES M. NEUBECKHatboro, Pa.
 WILLIAM EDWARD NOLLERBeach Haven, N. J.
 JAMES NORWELL NUTT, IIIWallingford, Pa.
 MARIE VINCENZA OLIVIERIStrafford, Pa.
 RONALD JOHN PALMIERINorth Bergen, N. J.
 DAVID ROY PASHMANMillville, N. J.
 JOHN FRANCIS PERRYMedia, Pa.
 WILLIAM JOSEPH PETERSPhiladelphia, Pa.
 PETER DARRELL PIZZUTILLOCherry Hill, N. J.
 HARRY STEVEN POLSKYPhiladelphia, Pa.
 CHARLES EDMUND QUAGLIERIHoboken, N. J.
 DAVID JAMES RANDELLYoungstown, Ohio
 JOHN REICHEL, IIIRosemont, Pa.

ALLEN CHARLES RICHMONDEast Paterson, N. J.
 CHRISTOPHER CHARLES ROSERenfrew, Pa.
 MILTON DAVID ROSSMANAtlantic City, N. J.
 ROBERT IRA SALASINWildwood Crest, N. J.
 CHARLES ROBERT SCHLEIFERPhiladelphia, Pa.
 GLENN DEE SCHNEIDERMedia, Pa.
 JUDITH PARKER SCHWARTZPhiladelphia, Pa.
 PETER VINCENT SCOLESNew Shrewsbury, N. J.
 PAUL MATTHEW SELINKOFFWilmington, Del.
 PARKER McLEAN SEYMOURToledo, Ohio
 JOHN MICHAEL SHOVLINWaymart, Pa.
 JOSEPH STEPHEN SKOLOFFOrange, N. J.
 FREDERICK CARL SKVARASomerville, N. J.
 PHYLLIS MARGARET STORM SMOYER ...Claymont, Del.
 ARIS M. SOPHOCLES, JR.Yardville, N. J.
 RICHARD GUY SOWDEN, JR.Endwell, N. Y.
 DAVID M. SPIEGELMANPhiladelphia, Pa.
 KENNETH EDWARD STARZPittsburgh, Pa.
 JOSEPH WEBSTER STAYMAN, IIIPhiladelphia, Pa.
 ROBERT ALAN STEINLevittown, Pa.
 MICHAEL B. STEINBERGHavertown, Pa.
 PATRICIA MARIA CONNER STRELETZ ...Philadelphia, Pa.
 STEPHEN ANTHONY SZAWLEWICZPhiladelphia, Pa.
 ROBERT FARWELL CHATFIELD TAYLOR, JR.

Manchester, Mass.

ROGER L. TERRYAkron, Ohio
 JULIA KALLIPOLITOU TERZISThessaloniki, Greece
 NATHAN OWEN THOMASMeyersdale, Pa.
 NEIL OWEN THOMPSONCollingswood, N. J.
 MARTIN ALAN TOBEYDallas, Tex.
 HOWARD DAVID TOFFBala-Cynwyd, Pa.
 DOUGLAS GERMOND TOLLEY, JR.Swarthmore, Pa.
 CHARLES O. TOMLINSONClark's Summit, Pa.
 LOUIS VIGNATIHartford, Conn.
 STEPHEN CARL VORONPhiladelphia, Pa.
 FRANK GRIER WAKEFIELDRehoboth Beach, Del.
 JON PETER WALHEIMHavertown, Pa.
 CHARLES ALBERT WALTERSGrantham, Pa.
 CALVIN LEE WEISBERGERKingston, Pa.
 DAVID GEORGE WETTERHOLTTrenton, N. J.
 JOHN VOLKERT WHITBECKHudson, N. Y.
 WILLIAM EARL WHITEMAN, IIHouston, Tex.
 CARL WOLFERRosemont, Pa.
 BRUCE LANSING WOODLEYVineland, N. J.
 STEPHEN MARSTON WOODRUFFRydal, Pa.
 VIRGINIA FLORY ZIEGLERMilroy, Pa.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

DENNIS ALAN FRIED (Anatomy)Philadelphia, Pa.
 Thesis: "The Developmental Effects of Elevated Uterine Temperature in the Rat."
 BENJAMIN DAVID ROBIN (Anatomy)Bronx, N. Y.
 Thesis: "Pineal-gonadal Interrelations: Effects of Melatonin on Compensatory Ovarian Hypertrophy."

GEOGRAPHICAL RECAPITULATION

THE MEDICAL COURSE

Pennsylvania	99
Other States	63
Foreign	2
U. S. Possessions	1
TOTAL	165

The foregoing additions bring the total number of Graduates in the Medical Course to 21,485.

THE MEDICAL SCIENCES

Pennsylvania	5
Other States	5
Foreign	2
TOTAL	12

The foregoing additions bring the total number on the list of Graduates in the Basic Medical Sciences to 188.